



A Disruptive Infrastructure Company

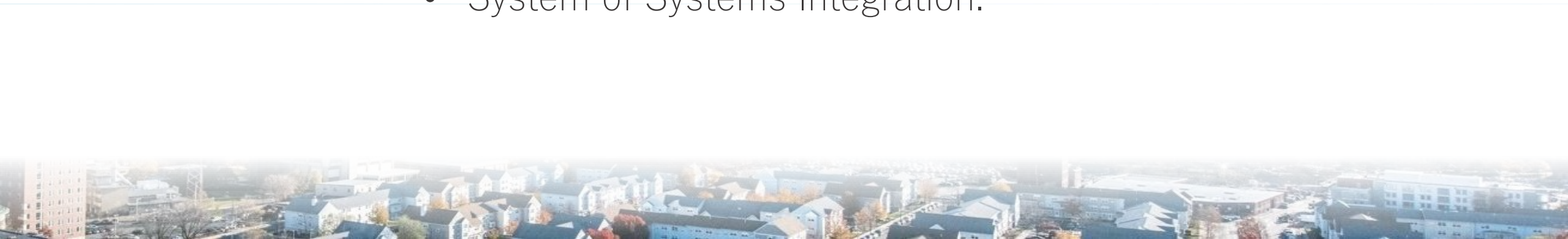
Felipe Varon  
Founder & CEO





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FUTURE™**

- Who we are.
- Enabling Technologies.
- Airspace Integration Architecture.
- Implementation in Latin America.
- System of Systems Integration.





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We've created a new way for cities to expand that disrupts the status quo, resolving these problems while generating new **business opportunities.**





# Our Infrastructure Networks

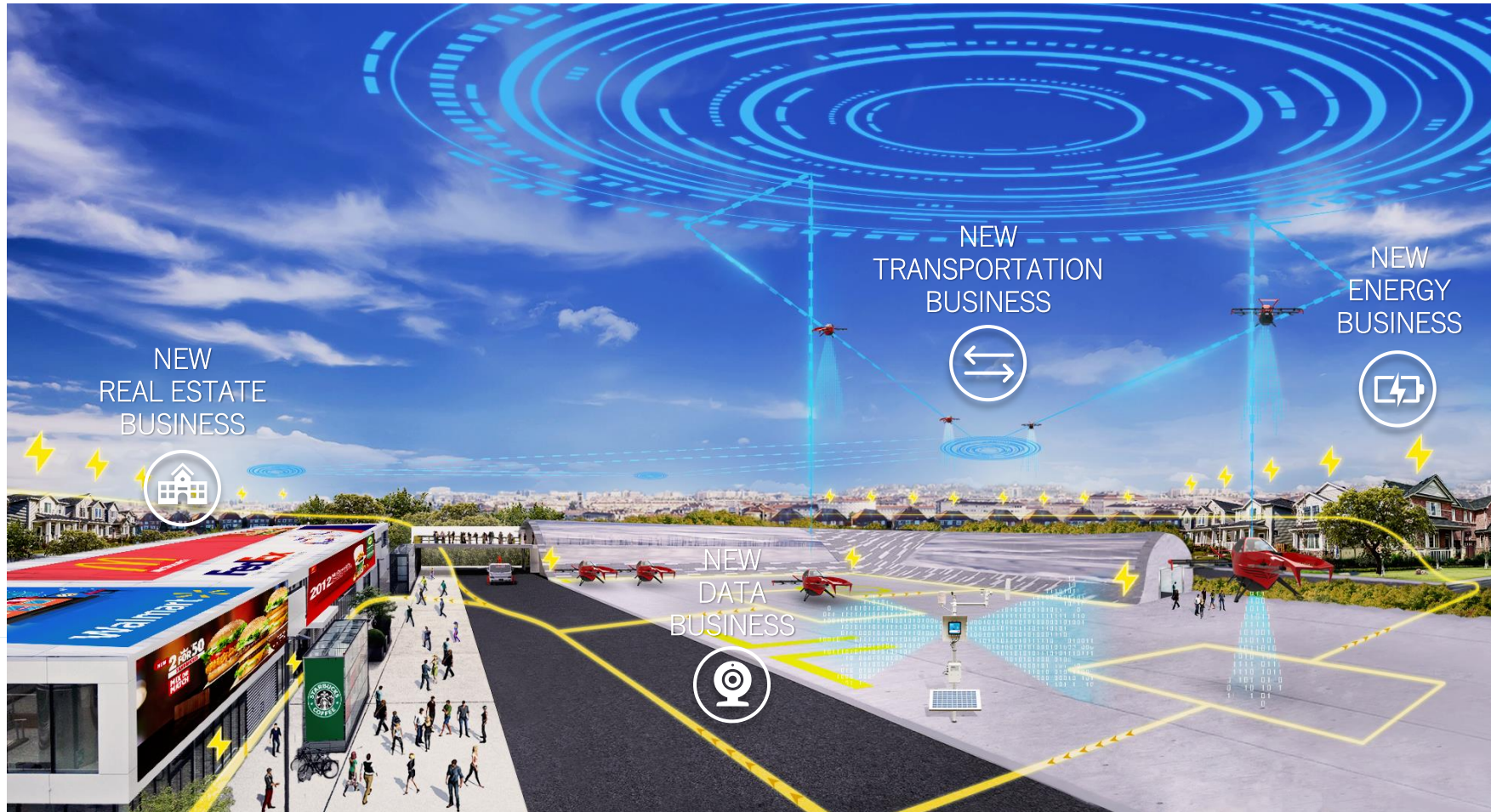
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# Our Vertiports

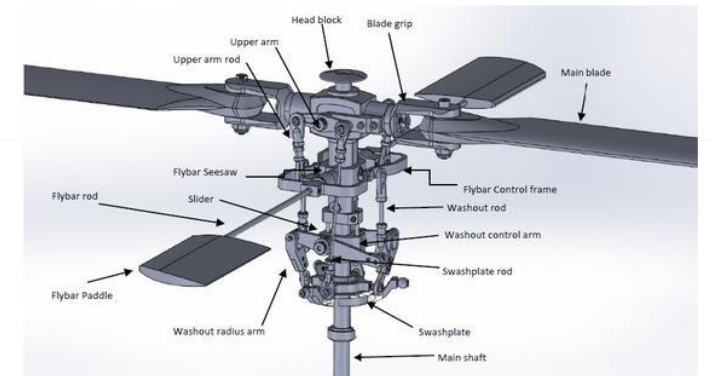
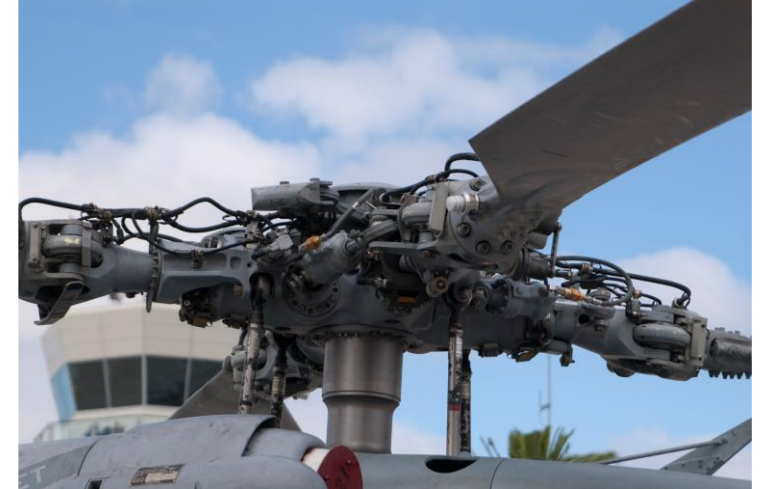
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## Traditional Aircraft: Complex.

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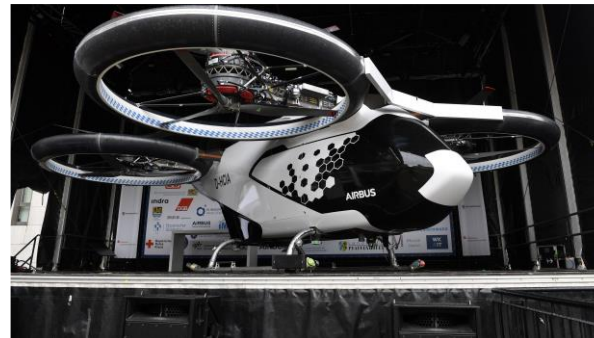
Drone Technology: Simple.



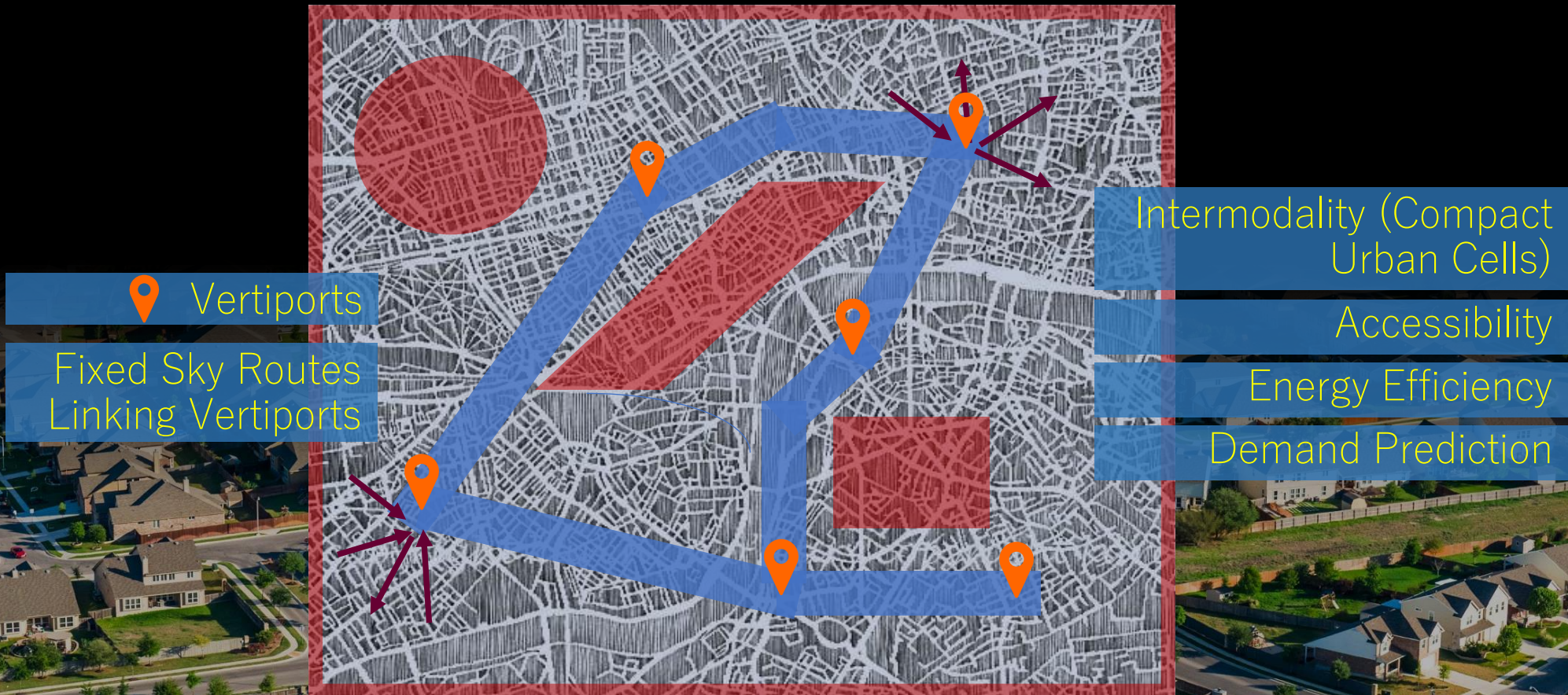


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## Urban Air Mobility / Advanced Air Mobility



## Infrastructure Network Design





# Airspace Integration Architecture

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## UAM Transportation System Airspace Volumes

### Urban Geodesics

The shortest path between vertiports through low altitude airspace, taking into account no fly zones, existing air routes, critical infrastructure, city obstacles, known wind conditions and topography.

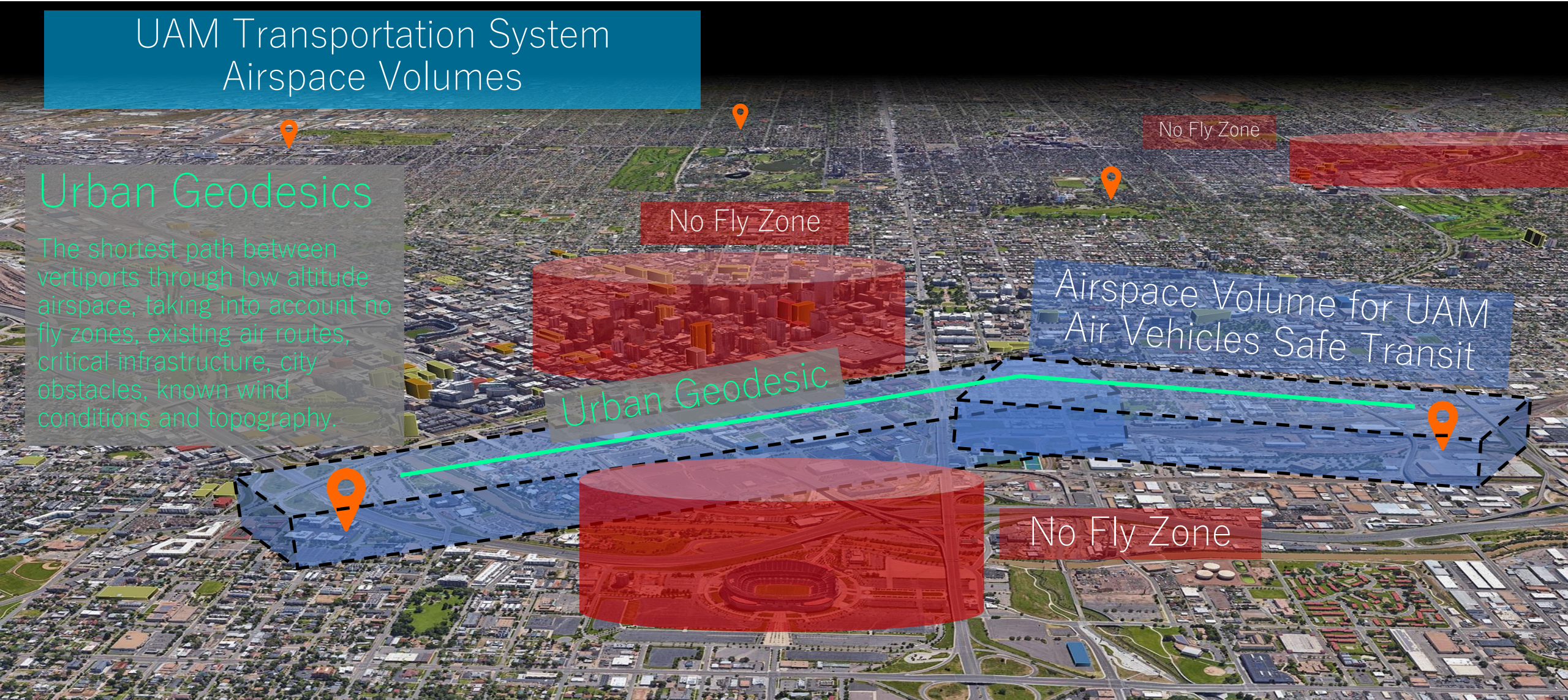
Urban Geodesic

Airspace Volume for UAM  
Air Vehicles Safe Transit

No Fly Zone

No Fly Zone

No Fly Zone



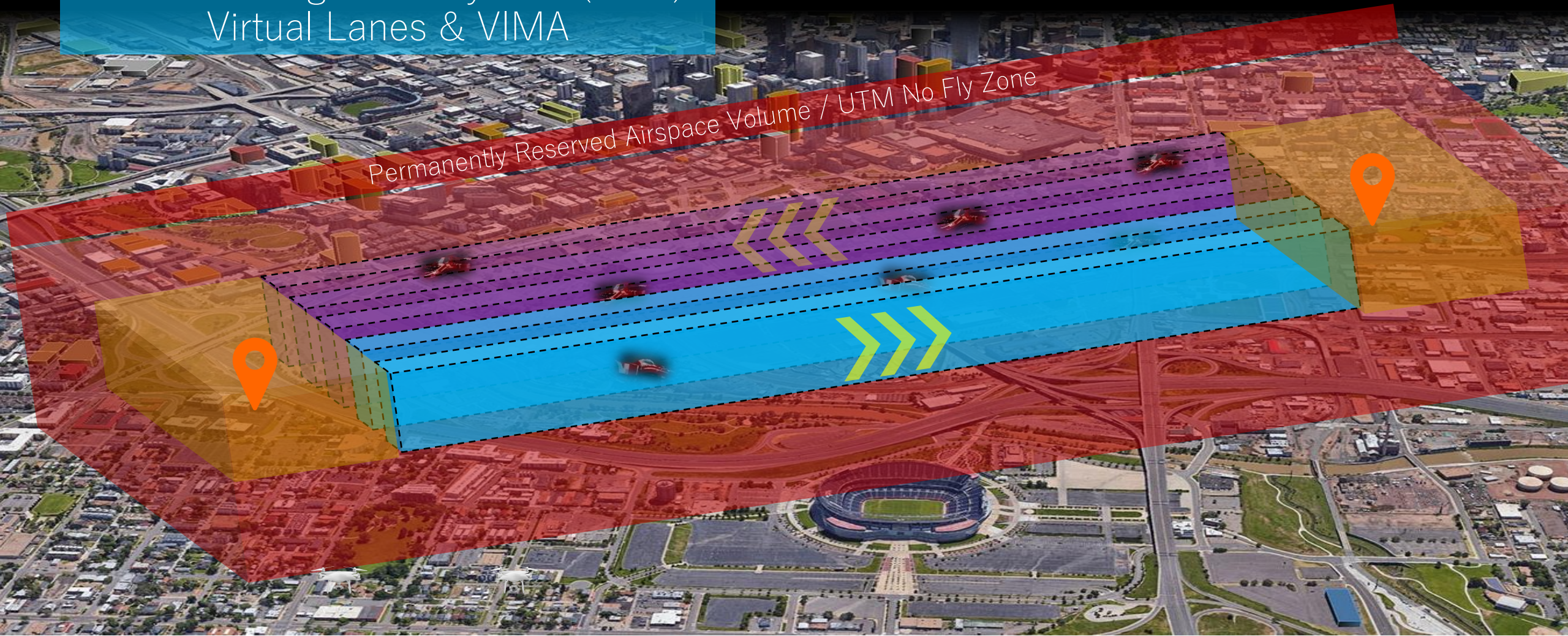


# Airspace Integration Architecture

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Traffic Management System (TMS)  
Virtual Lanes & VIMA

Permanently Reserved Airspace Volume / UTM No Fly Zone





# Airspace Integration Architecture

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Traffic Management System (TMS)  
Air Vehicles Traffic Orchestration

Permanently Reserved Airspace Volume / UTM No Fly Zone

TMS C2



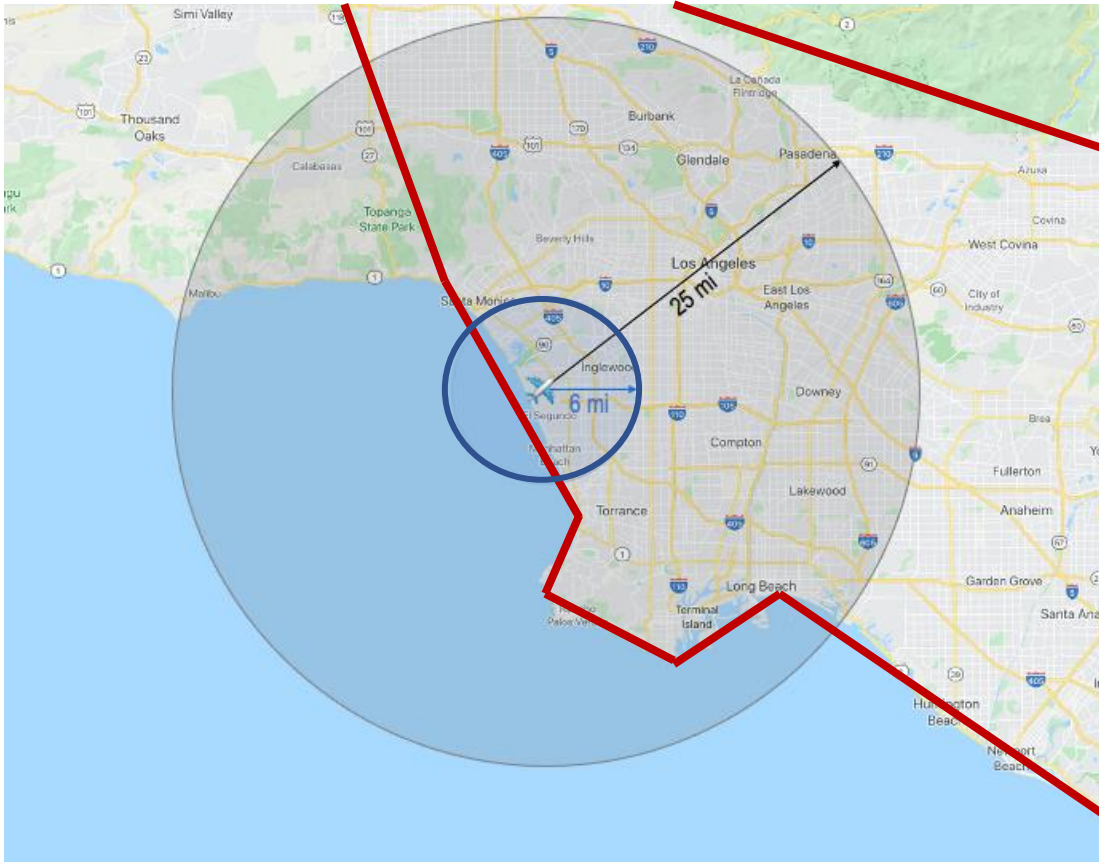
Assigned Virtual Lane  
Displayed Onboard for  
Operator



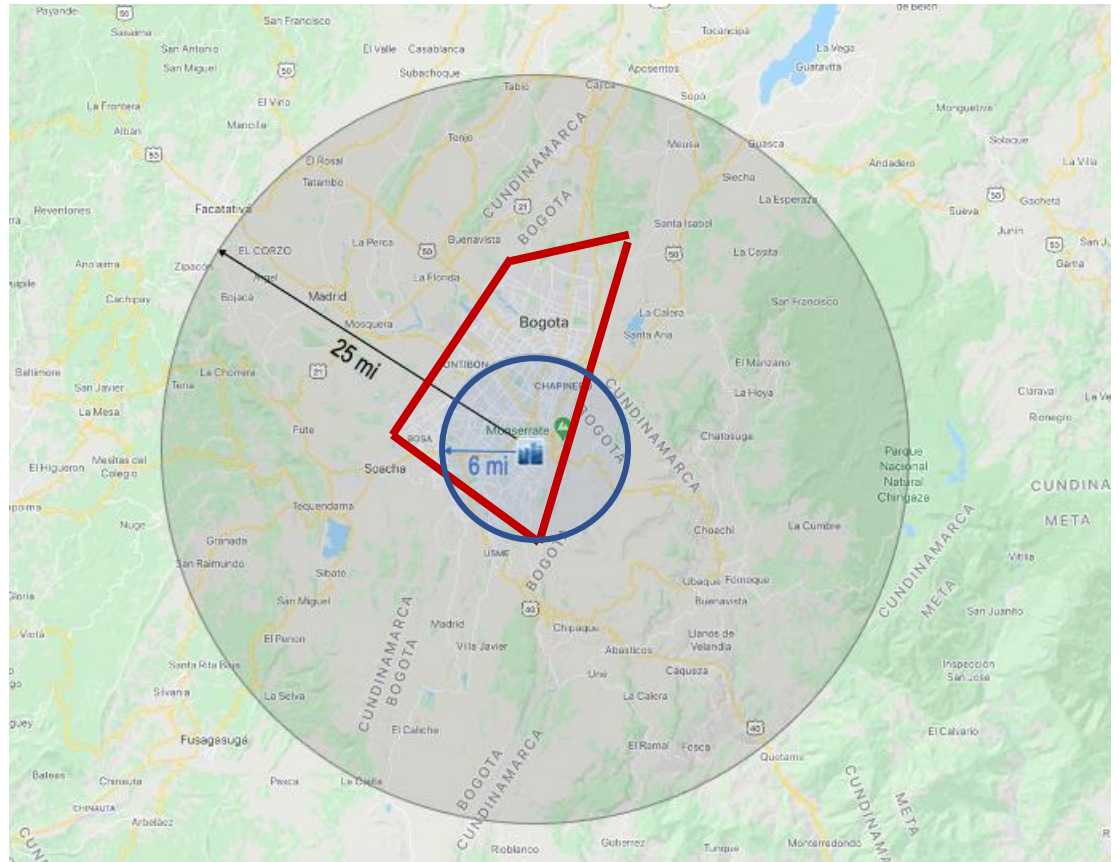


# Implementation in Latin America

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Los Angeles, USA



Bogota, Colombia

Source: “The Case for a Regional UAM Vehicle”, by Sergio Cecutta, Partner at SMG Consulting.

# Implementation in Latin America

## The Cities With The Worst Traffic Congestion

Cities with the highest average traffic congestion levels in 2019\*



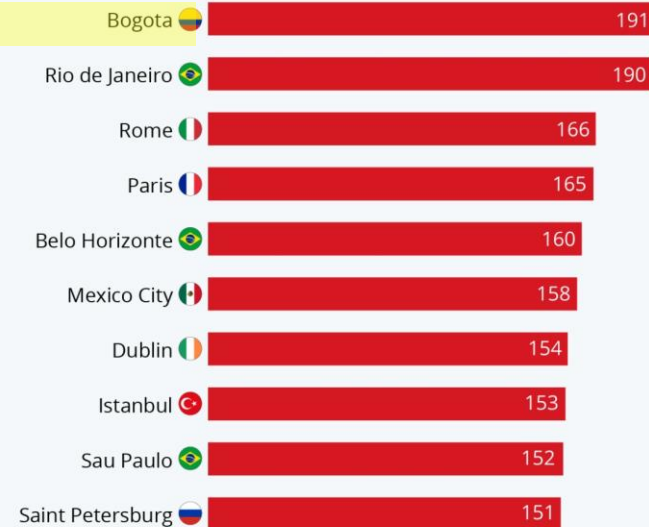
\* 0% = uncongested free flow of traffic - e.g. 35% congestion means the extra travel time is 35% more than the average trip in uncongested conditions.  
Source: TomTom Traffic Index



statista

## The Cities with the Biggest Traffic Jams

Cities where the average commuter spent the most hours in congestion in 2019



Source: INRIX Global Traffic Scorecard



statista

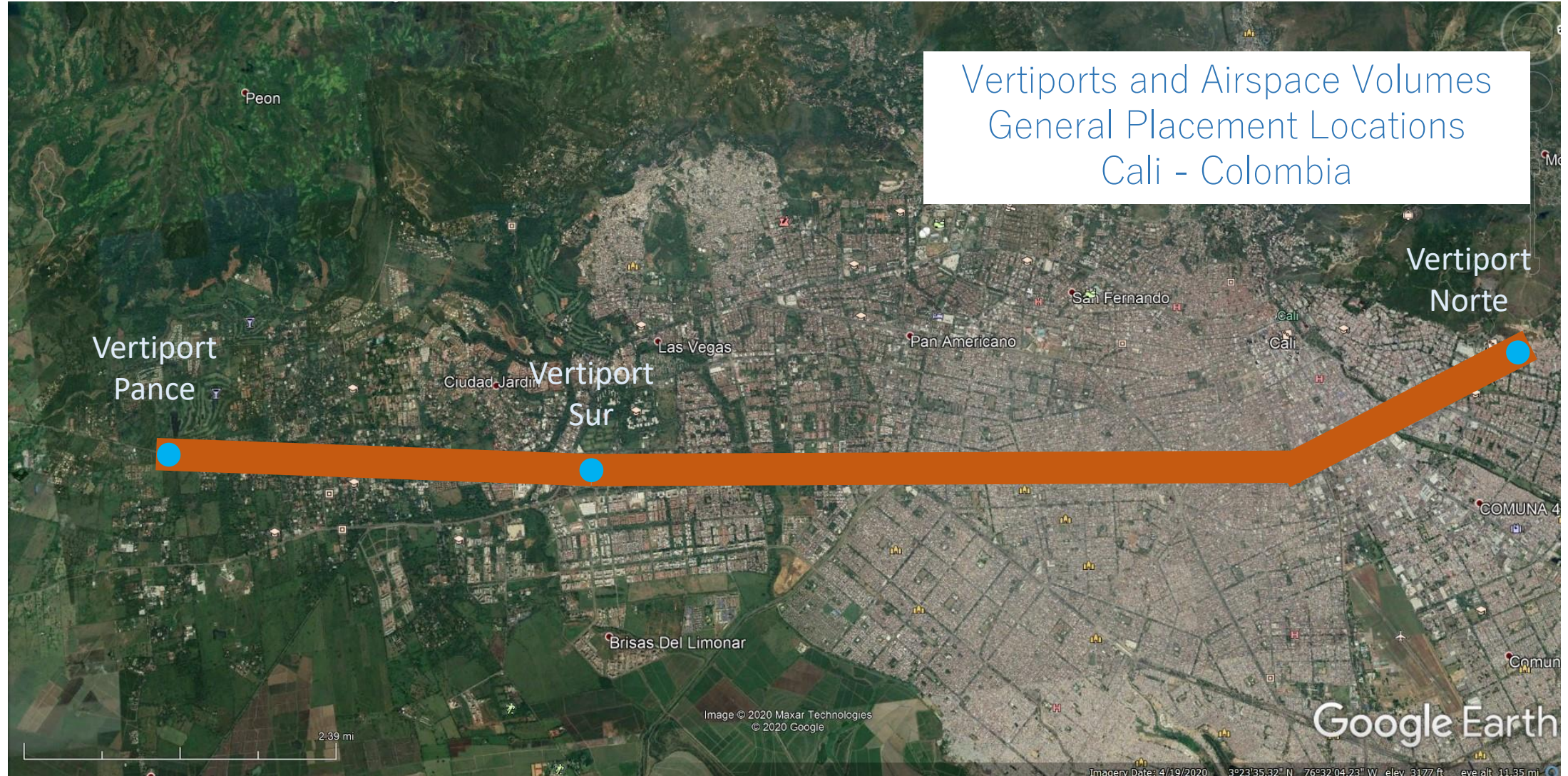
# Implementation in Latin America

Vertiports and Airspace Volumes  
General Placement Locations  
Cartagena - Colombia



Airspace Volume Dimensions approximately to scale relative to map.

# Implementation in Latin America

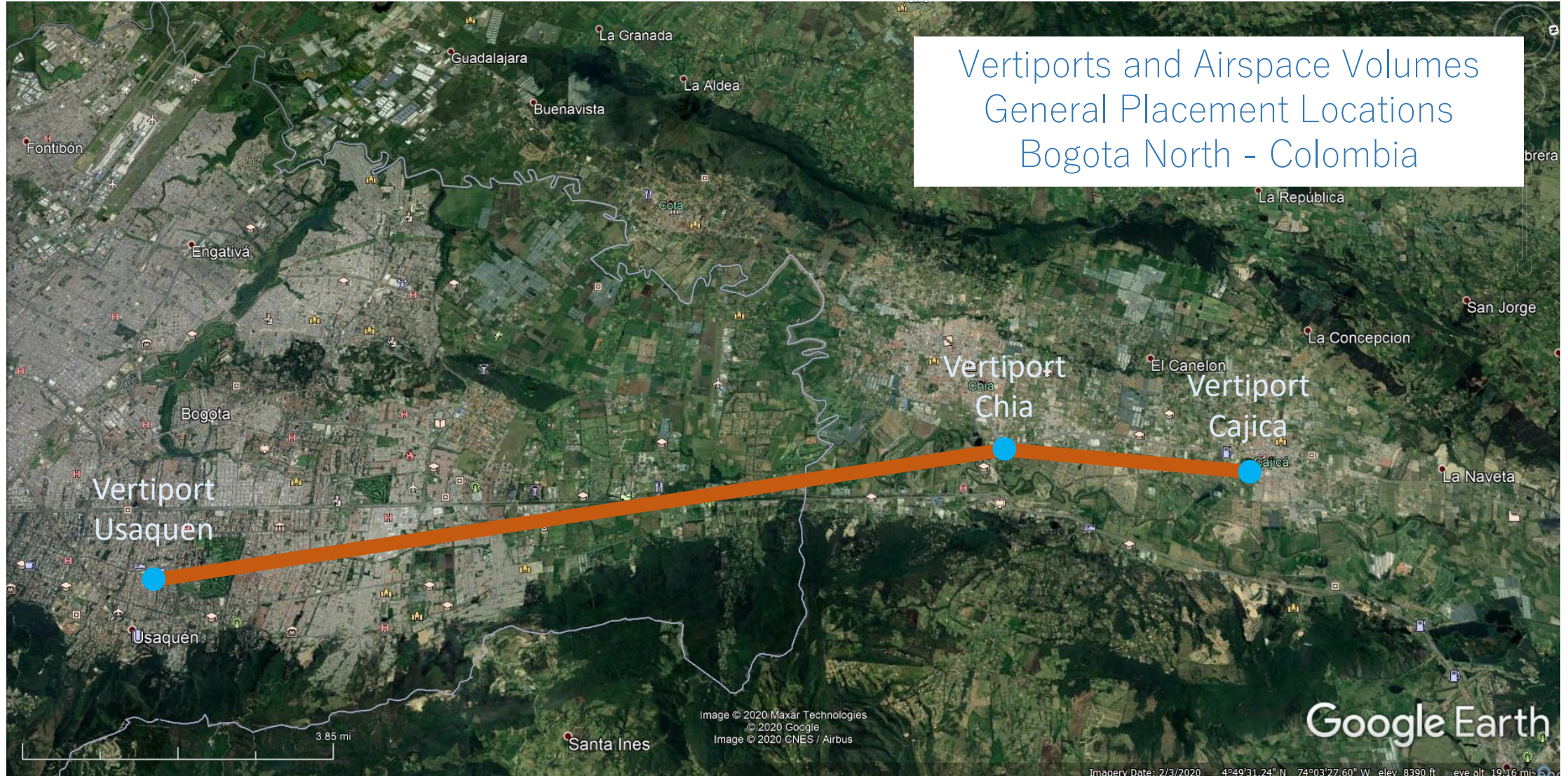


Airspace Volume Dimensions approximately to scale relative to map.



# Implementation in Latin America

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Airspace Volume Dimensions approximately to scale relative to map.



# Implementation in Latin America

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Passenger Vertiport, Bogotá



# Implementation in Latin America

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Freight Vertiport,  
Bogota





# Implementation in Latin America

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Passenger Vertiport,  
Cartagena

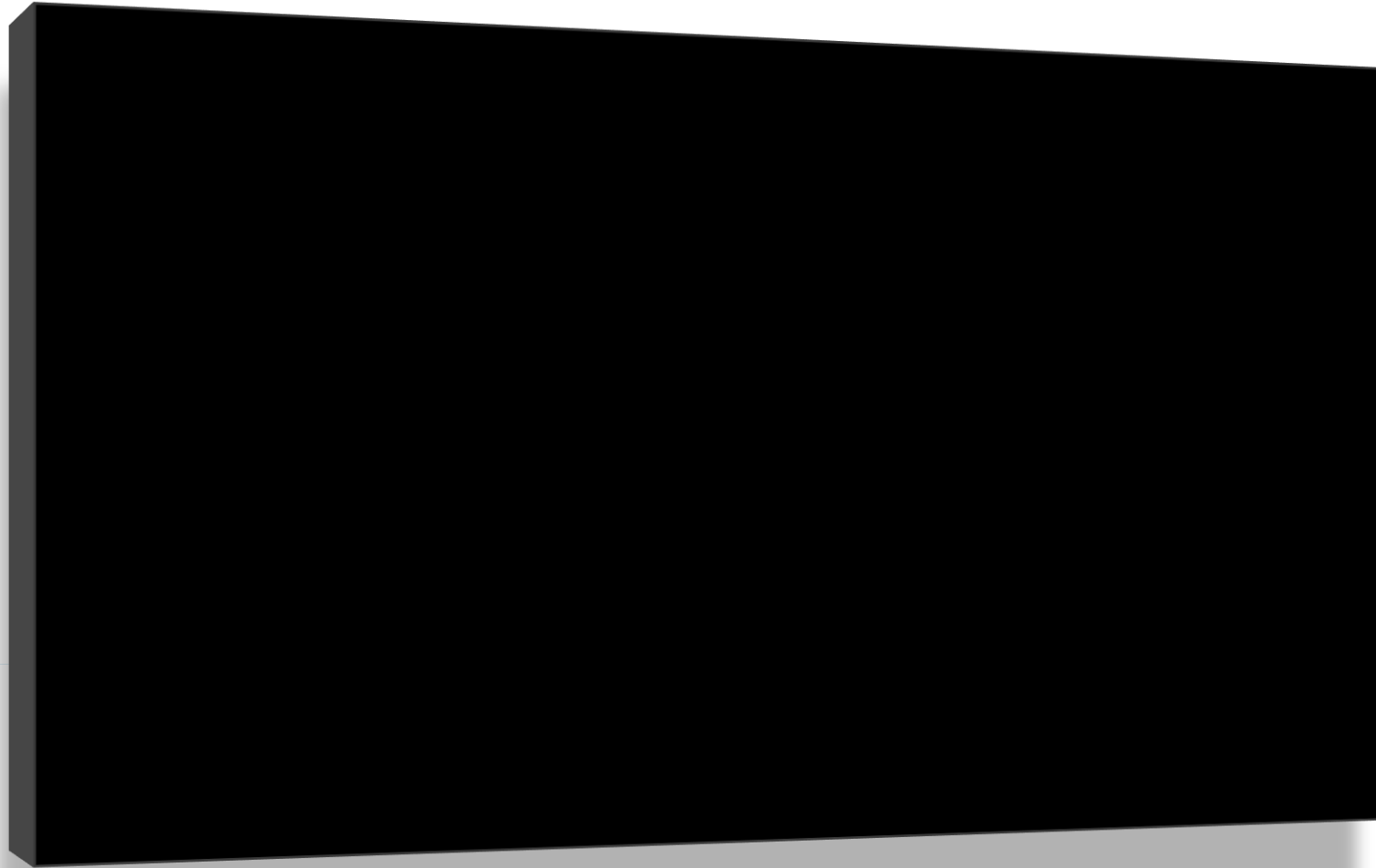
Tourism Business Cases





# Implementation in Latin America

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# System of Systems Integration

Today

Exhibitions

2021

Test & Integration Operations

System Demonstrations

Vision Center

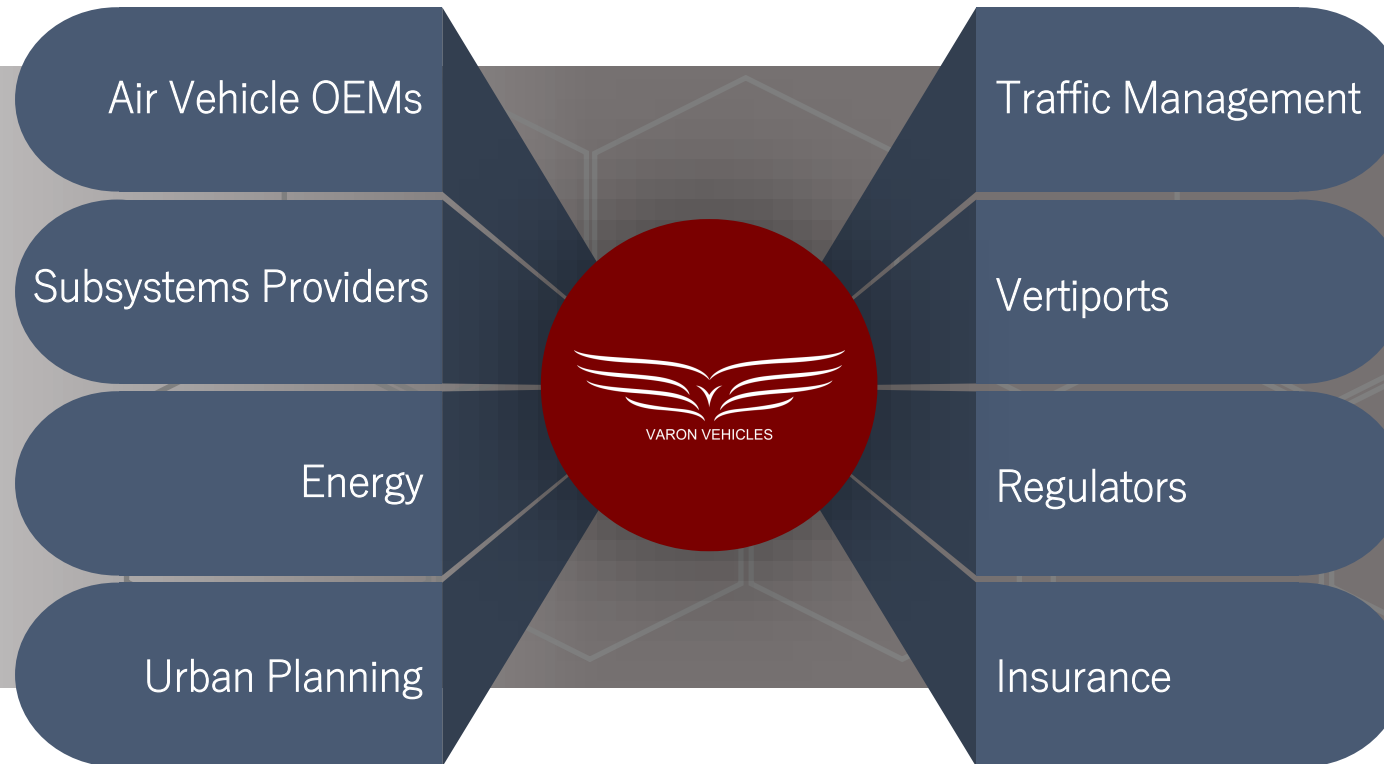
Flying Car Races

Freight  
Transportation  
Services

Passenger  
Transportation  
Services



# System of Systems Integration





# VARON VEHICLES CORPORATION

Ride The Future™

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